Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Draft

AIR QUALITY PERMIT

Issued under 401 KAR 52:030

Permittee Name:	**Dow Corning Corporation**
Mailing Address:	**760 Hodgenville Road, Elizabethtown, KY 42701**
Source Name:	**Dow Corning Corporation - Elizabethtown Plant**
Mailing Address:	**760 Hodgenville Road Elizabethtown, KY 42701**
Source Location:	**Same as above**
Permit ID:	**F-05-037 R1**
Agency Interest #:	**1658**
Activity ID:	**APE20060005, APE20070001, APE20070002**
Review Type:	**Conditional Major, Construction / Operating**
Source ID:	**21-093-00005**
Regional Office:	**Frankfort Regional Office 643 Teton Trail, Suite B Frankfort, KY 40601 (502) 564-3358**
County:	**Hardin**
Application Complete Date:	**December 12, 2001**
Issuance Date:	**November 30, 2006**
Revision Date:	**To Be Determined**
Expiration Date:	**November 30, 2011**

John S. Lyons, Director
Division for Air Quality

Revised 09/29/06

TABLE OF CONTENTS

	Permit type	**Log or Activity#**	**Complete Date**	**Issuance Date**	**Summary of Action**
F-05-037	**Renewal**	**APE20040002**	**12/12/01**	**11/30/06**	**Addition and Removal of Emission Units**
F-05-037 R1	**Revision**	**APE20060005 APE20070001 APE20070002**	**03/28/07**	**---**	**Addition and Removal of Emission Units**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 (--) PRODUCT PACKAGING

EP	Description	Control Equipment
A1	Product Packaging (Silicone Sealant Packaging) Installation Date: 1976-2003	Scrubber (Packaging Spray) Installation Date: 9/2000

APPLICABLE REGULATIONS:

401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:

None

2. Emission Limitations:

Refer to **Section D, Source Emission Limitations and Testing Requirements,** for source-wide emission of toxics limitations and compliance demonstration method.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The following parameters shall be continuously monitored by the permittee:

Scrubber: Water flow to the scrubber.

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance performed for the scrubber in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.

b. A log of the results of the semiannual inspections performed on the scrubber in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Water flow to the scrubber shall be recorded continuously by computer system or strip chart.

6. Specific Reporting Requirements:

Refer to **Section F**.

7. Specific Control Equipment Operating Conditions:

a. The scrubber shall be operated at all times the Product Packaging is in operation. The scrubber water flow shall be at least 150 gallons per minute while the scrubber is in operation.

b. Semiannual preventive maintenance shall be performed in accordance with the manufacturer's recommendations. Preventive maintenance shall include:

i. Cleaning or replacement of spray nozzles

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ii. Lubrication of pumps, fans, etc.
iii. Check/calibration of critical instruments, e.g. water flow meters or indicators.

c. Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

02 (--) PRESS MIXER AREA

EP	Description	Control Equipment
B1	Horizontal Press Mixer (Horizontal Pot Mixer)-600/ETM Polymer Unit (Static Mixing Unit) Installation Date: 5/1990 / 8/1996	HPM Dust Collector Installation Date: 3/1990
B2	Horizontal Press Mixer - 600 (Horizontal Pot Mixer) Installation Date: 5/1990	HPM Condenser Installation Date: 3/1990
B3	Horizontal Press Mixer - 600 (Horizontal Pot Mixer) – HPM Bag Dump Hopper #1 Installation Date: 11/1992	Dust Collector Installation Date: 12/1992
B6	NGSP Process (Sealant Compounder) Installation Date: 11/1998	Condenser Installation Date: 5/2007
B7	NGSP Process (Sealant Compounder) Filler Hopper #1 Installation Date: 11/1998	Dust Collector Installation Date: 11/1998
B8	NGSP Process (Sealant Compounder) Filler Hopper #2 Installation Date: 11/1998	Dust Collector Installation Date: 11/1998
B9	NGSP Process (Sealant Compounder) Filler Hopper #3 Installation Date: 11/1998	Dust Collector Installation Date: 11/1998
BD	NGSP Process (Sealant Compounder) Silo #1 Installation Date: 7/1985	Dust Collector Installation Date: 2/1999
BH	Horizontal Press Mixer – 600 Installation Date: 5/1990	HPM Silica Dust Collector Installation Date: 6/1999
BI	NGSP Process Silo #2 Installation Date: 7/2000	Dust Collector Installation Date: 7/2000
BL	Fast Silo Installation Date: 1/2007	Dust Collector Installation Date: 1/2007
BM	NGSP2 Filler Hopper #1 Installation Date: 5/2007	Dust Collector Installation Date: 5/2007
BN	NGSP2 Filler Hopper #2 Installation Date: 5/2007	Dust Collector Installation Date: 5/2007
BQ	Fast Local Exhaust Installation Date: 5/2007	None

APPLICABLE REGULATIONS:

401 KAR 59:010, *New process operations*, applies to all Emission Points (EP) except B2, B6 and BQ.

401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

a. Refer to **Section D, Source Emission Limitations and Testing Requirements,** for source-wide emission of toxics limitations and compliance method.

b. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
B1	Horizontal Pot Mixer – Dust Collector	8.18	13.21
B3	HPM Bag Dump Hopper #1	0.75	3.00
B7	NGSP Process Filler Hopper #1	5.00	9.74
B8	NGSP Process Filler Hopper #2	5.00	9.74
B9	NGSP Process Filler Hopper #3	5.00	9.74
BD	NGSP Process Silo #1	5.00	9.74
BH	HPM Filler Hopper	5.00	9.74
BI	NGSP Process Silo #2	5.00	9.74
BL	Fast Silo	5.75	10.62
BM	NGSP2 Filler Hopper #1	5.00	9.74
BN	NGSP2 Filler Hopper #2	5.00	9.74

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$E = 3.59(P)^{0.62}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

c. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

Compliance Demonstration Method:

a. Refer to Section D. 3 for compliance with source-wide limits.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
B1	Horizontal Pot Mixer – Dust Collector	13.21	0.1399
B3	HPM Bag Dump Hopper #1	3.00	0.00000274
B7	NGSP Process Filler Hopper #1	9.74	0.0000806
B8	NGSP Process Filler Hopper #2	9.74	0.0000806
B9	NGSP Process Filler Hopper #3	9.74	0.0000806
BD	NGSP Process Silo #1	9.74	0.0000539
BH	HPM Filler Hopper	9.74	0.00000114
BI	NGSP Process Silo #2	9.74	0.000000229
BL	Fast Silo	10.62	0.0342
BM	NGSP2 Filler Hopper #1	9.74	0.0440
BN	NGSP2 Filler Hopper #2	9.74	0.0309

Refer to Subsection 7 for proper operation of controls.

c. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a. The following parameters shall be continuously monitored:

Condensers:

i. Vent flowrate.
ii. Coolant flow rate through the condenser.
iii. Inlet coolant temperature.

Filter Units: Pressure drop across filter media.

b. The permittee shall perform a qualitative visual observation of the opacity of emissions from each stack, except for BQ, at least once per week. If visible emissions are seen (not including condensed water vapor within the plume), the permittee shall perform an EPA Reference Method 9 test for opacity on the applicable stack emissions within 24 hours of observing visible emissions, and make any necessary repairs to bring the opacity into compliance. [401 KAR 59:010(4)(5)]

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance performed for the filter units and the condensers in accordance with **7. Specific Control Equipment Operating Conditions** shall be

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

maintained. Records may be computerized and shall be provided to the Division personnel upon request.

b. Condenser vent flow rates, coolant flow rate through the condensers, and condenser coolant temperatures shall be continuously recorded by computer system or strip chart. A log of the results of the semiannual inspections performed on the condensers and filter units shall be maintained in accordance with **7. Specific Control Equipment Operating Conditions**.

c. The permittee shall maintain a log of the dates and times of each qualitative visual observation: noting color, duration, density (dark or light), and cause.

d. The permittee shall maintain a log of the dates and times of each EPA Reference Method 9 test and either the results of the test, or reasons for not performing an EPA Reference Method 9 test.

6. Specific Reporting Requirements:

Refer to **Section F**.

7. Specific Control Equipment Operating Conditions:

a. The filter units (B1, B3, B7, B8, B9, BD, BH, BI, BL, BM and BN) shall be in operation at all times the related processes are in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The following parameters shall be specifically inspected:
   i. Filters - Replace in accordance with manufacturer's recommendations.
   ii. Gaskets and Seals.
   iii. Filter cleaning mechanism.
   iv. Differential pressure gauge.

b. Each condenser shall be in operation at all times the related process is in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The inlet coolant temperature for each condenser shall be maintained within 5ºF of 20ºF. The coolant flowrate through each condenser shall be at least 9 gallons per minute while in operation.

c. Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

03 (--) WERNER-PFLEIDERER

EP	Description	Control Equipment
C1	Werner-Pfleiderer Process (Sealant Compounder) Installation Date: 7/1978	Filter Unit (Feed Hopper) Installation Date: 7/1978
C2	Werner-Pfleiderer Process (Sealant Compounder) Installation Date: 7/1978	Filter Units (2) – Installation Date: 7/1978 Scrubber (Buffalo) – Installation Date: 7/1980

APPLICABLE REGULATIONS:

401 KAR 59:010, *New process operations*

401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:

None

2. Emission Limitations:

a. Refer to **Section D, Source Emission Limitations and Testing Requirements,** for source-wide emission of toxics limitations and compliance method.

b. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
C1	WP Silica Feed Hopper	12.5	17.19
C2	WP Buffalo Scrubber	12.5	17.19

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$E = 3.59(P)^{0.62}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

c. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

a. Refer to Section D. 3 for compliance with source-wide limits.

b. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
C1	WP Silica Feed Hopper	17.19	0.000868
C2	WP Buffalo Scrubber	17.19	0.000868

c. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a. The following parameters shall be continuously monitored:

Scrubber: Water flow to the scrubber.
Filter Units: Pressure drop across filter media.

b. The permittee shall perform a qualitative visual observation of the opacity of emissions from each stack at least once per week. If visible emissions are seen (not including condensed water vapor within the plume), the permittee shall perform an EPA Reference Method 9 test for opacity on the applicable stack emissions within 24 hours of observing visible emissions, and make any necessary repairs to bring the opacity into compliance. [401 KAR 59:010(4)(5)]

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance for the filter units and the scrubbers in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.

b. A log of the results of the semiannual inspections performed on the filter units and the scrubber in accordance with **7. Special Control Equipment Operating Conditions** shall be maintained. Water flow to the scrubber shall be recorded continuously by computer system or strip chart.

c. The permittee shall maintain a log of the dates and times of each qualitative visual observation: noting color, duration, density (dark or light), and cause.

d. The permittee shall maintain a log of the dates and times of each EPA Reference Method 9 test and either the results of the test, or reasons for not performing an EPA Reference Method 9 test.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Refer to **Section F**.

7. Specific Control Equipment Operating Conditions:

a. The scrubber shall be operated at all times the Werner-Pfleiderer is in operation. The scrubber water flow shall be at least 54 gallons per minute while the scrubber is in operation.

b. Semiannual preventive maintenance shall be performed in accordance with the manufacturer's recommendations. Preventive maintenance shall include:
   i. Cleaning or replacement of spray nozzles
   ii. Lubrication of pumps, fans, etc.
   iii. Check/calibration of critical instruments, e.g. water flow meters or indicators.

c. The filter units (C1 and C2) shall be in operation at all times the related processes are in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The following parameters shall be specifically inspected:
   i. Filters - Replace in accordance with manufacturer's recommendations.
   ii. Gaskets and Seals.
   iii. Filter cleaning mechanism.
   iv. Differential pressure gauge.

d. Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

04 (--) ET-1 BATCH AREA

EP	Description	Control Equipment
F2	795 Devol Unit (Process Condensation Unit) Installation Date: 1/1981 **Shared w/ ET-1 Batch Area & CU/WP-OXIME**	Condenser Installation Date: 1/1981
F5	Finger Mixer #2 – Sealant Catalyzer Installation Date: 7/1964	None
FE	Ross Mixer #1, Ross Mixer #5 (Sealant Pot Mixers) Installation Date: 7/1964	Maternity Ward Filler Hopper Installations Date: 8/1996
FK	Ross Mixer #2 (Sealant Pot Mixer) Installation Date: 7/1964	Dust Collector Installation Date: 8/1996
F4	Plant Vacuum Installation Date: 1963 **Shared w/ ET-1 Batch Area & CU/WP-OXIME**	None
FA	Finger Mixer #6 – Sealant Catalyzer Installation Date: 9/1994	None
FL	Ross Mixer #3 (Sealant Pot Mixer) Installation Date: 7/1964	Dust Collector Installation Date: 8/1996
FJ	Meyers Mixer #1 (Sealant Pot Mixer) Installation Date: 7/1964	Dust Collector Installation Date: 8/1996
FP	Meyers Mixer #2 (Sealant Pot Mixer) Installation Date: 7/1964	Dust Collector Installation Date: 9/1995
FQ	Meyers Mixer #3 (Sealant Pot Mixer) Installation Date: 7/1964	Dust Collector Installation Date: 9/1997
FD	Ross Mixer #1, Ross Mixer #5 (Sealant Pot Mixers) Installation Date: 7/1964	Maternity Ward Dust Collector Installations Date: 10/1994
F7	Turello #2, Turello #4 (Sealant Pot Mixers) Installation Date: 7/1985, 7/1988	Mixer Filler Hopper Dust Collector Installation Date: 7/1975
F9	Turello #1 Mixer Filler Hopper Installation Date: 7/1985	Mixer Filler Hopper Dust Collector Installation Date: 7/1985
FC	Turello #1 Mixer Installation Date: 6/2002	Dust Collector Installation Date: 6/2002
FF	Turello #2 (Sealant Pot Mixer) Installation Date: 7/1985	Dust Collector Installation Date: 10/1994
FG	Turello #4 (Sealant Pot Mixer) Installation Date: 7/1988	Dust Collector Installation Date; 7/1996
FH	Turello #3 (Sealant Pot Mixer) Installation Date: 7/1986	Dust Collector Installation Date: 8/1996
FM	Ross Mixer #4 (Sealant Pot Mixer) Installation Date: 7/1964	Dust Collector Installation Date: 8/1996
FN	Turello #5 (Sealant Pot Mixer) Installation Date: 1/1997	Dust Collector Installation Date: 1/1997
FT	Turello #2, Turello #4 (Silica Hopper) Installation Date: 7/1985, 7/1988	Silica Hopper Dust Collector Installation Date: 10/1997
FX	Turello #2, Turello #4 (Bulk Bag Unload) Installation Date: 7/1985, 7/1988	Bulk Bag Unloading System Dust Collector Installation Date: 2/2006

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

APPLICABLE REGULATIONS:
401 KAR 59:010, *New process operations*
401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:
None

2. Emission Limitations:

a. Refer to **Section D, Source Emission Limitations and Testing Requirements,** for source-wide emission of toxics limitations and compliance method.

b. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
F7	Turello #2 & #4 (Mixer Filler Hopper)	1.25	4.12
F9	Turello #1 (Mixer Filler Hopper)	1.25	4.12
FC	Turello #1 Mixer	1.25	4.12
FD	Ross Mixer #1 & #5	1.25	4.12
FE	Ross Mixer #1 & #5	0.75	3.00
FF	Turello #2 Mixer	1.25	4.12
FG	Turello #4 Mixer	1.25	4.12
FH	Turello #3 Mixer	1.25	4.12
FJ	Meyers Mixer #1	0.75	3.00
FK	Ross Mixer #2	0.75	3.00
FL	Ross Mixer #3	0.75	3.00
FM	Ross Mixer #4	0.75	3.00
FN	Turello #5 Mixer	0.75	3.00
FP	Meyers Mixer #2	0.75	3.00
FQ	Meyers Mixer #3	0.75	3.00
FT	Turello #2 & #4 (Silica Hopper)	1.25	4.12
FX	Turello #2 & #4 (Bulk Bag Unload)	2.50	6.34

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$E = 3.59(P)^{0.62}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

Compliance Demonstration Method:

a. Refer to Section D. 3 for compliance with source-wide limits.

b. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
F7	Turello #2 & #4 (Mixer Filler Hopper)	4.12	0.000502
F9	Turello #1 (Mixer Filler Hopper)	4.12	0.000502
FC	Turello #1 Mixer	4.12	0.0000183
FD	Ross Mixer #1 & #5	4.12	0.000000228
FE	Ross Mixer #1 & #5	3.00	0.00000274
FF	Turello #2 Mixer	4.12	0.00000274
FG	Turello #4 Mixer	4.12	0.00000274
FH	Turello #3 Mixer	4.12	0.00000274
FJ	Meyers Mixer #1	3.00	0.00000365
FK	Ross Mixer #2	3.00	0.00000365
FL	Ross Mixer #3	3.00	0.00374
FM	Ross Mixer #4	3.00	0.00000365
FN	Turello #5 Mixer	3.00	0.00000274
FP	Meyers Mixer #2	3.00	0.00000365
FQ	Meyers Mixer #3	3.00	0.00000365
FT	Turello #2 & #4 (Silica Hopper)	4.12	0.000000228
FX	Turello #2 & #4 (Bulk Bag Unload)	6.34	0.03995

c. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a. The following parameters shall be continuously monitored:

Condenser:

i. Vent flow rate.
ii. Coolant flow rate through the condenser.
iii. Inlet coolant temperature.

Filter Units: Pressure drop across filter media**.**

b. The permittee shall perform a qualitative visual observation of the opacity of emissions

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

from each stack at least once per week. If visible emissions are seen (not including condensed water vapor within the plume), the permittee shall perform an EPA Reference Method 9 test for opacity on the applicable stack emissions within 24 hours of observing visible emissions, and make any necessary repairs to bring the opacity into compliance. [401 KAR 59:010(4)(5)]

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance performed for the condenser and filter units in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.

b. Condenser vent flow rate, coolant flow rate through the condenser, and condenser coolant temperature shall be continuously recorded by computer system or strip chart. A log of the results of the semiannual inspections performed on the condenser and filter units shall be maintained in accordance with **7. Specific Control Equipment Operating Conditions.**

c. The permittee shall maintain a log of the dates and times of each qualitative visual observation: noting color, duration, density (dark or light), and cause.

d. The permittee shall maintain a log of the dates and times of each EPA Reference Method 9 test and either the results of the test, or reasons for not performing an EPA Reference Method 9 test.

6. Specific Reporting Requirements:

Refer to **Section F**.

7. Specific Control Equipment Operating Conditions:

a. The filter units (F7, F9, FC, FD, FE, FF, FG, FH, FJ, FK, FL, FM, FN, FP, FQ, FT and FX) shall be in operation at all times the related processes are in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The following parameters shall be specifically inspected:
   i. Filters - Replace in accordance with manufacturer's recommendations.
   ii. Gaskets and Seals.
   iii. Filter cleaning mechanism.
   iv. Differential pressure gauge.

b. The condenser shall be in operation at all times the related process is in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The inlet coolant temperature for the condenser shall be maintained within 5ºF of 20ºF. The coolant flowrate through the condenser shall be at least 9 gallons per minute.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05 (--) CU/WP-OXIME

EP	Description	Control Equipment
F2	795 Devol Unit (Process Condensation Unit) Installation Date: 1/1981 **Shared w/ ET-1 Batch Area & CU/WP-OXIME**	Condenser Installation Date: 1/1981
F4	Plant Vacuum Installation Date: 1963 **Shared w/ ET-1 Batch Area & CU/WP-OXIME**	None
GA	Continuous Unit /WP-Oxime/WP-Oxime 2 (Condenser) Installation Date: 7/1975, 7/1982, 7/2005 **Shared w/ CU/WP-OXIME & ABM Sylgard Tanks**	None
G2	Continuous Unit Installation Date: 7/1975	Dust Collector Installation Date: 7/1975
G3	CU Local Exhaust Installation Date: 1975	None
G6	CU Local Exhaust #2 Installation Date: 6/2003	None
G7	WP-Oxime/WP-Oxime 2 Installation Date: 7/1982, 7/2005	Dust Collector Installation Date: 7/1975

APPLICABLE REGULATIONS:

401 KAR 59:010, *New process operations*, applies to G2 and G7, only.

401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:

None

2. Emission Limitations:

a. Refer to **Section D, Source Emission Limitations and Testing Requirements,** for source-wide emission of toxics limitations and compliance method.

b. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
G2	Continuous Unit	2.00	5.52
G7	WP-Oxime/ WP-Oxime 2	3.00	7.09

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$E = 3.59(P)^{0.62}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

c. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

Compliance Demonstration Method:

a. Refer to Section D. 3 for compliance with source-wide limits.

b. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
G2	Continuous Unit	5.52	0.000377
G7	WP-Oxime/ WP-Oxime 2	7.09	0.000605

c. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a. The following parameters shall be continuously monitored:

Condenser:

i. Coolant flow rate through the condenser.
ii. Condenser inlet coolant temperature.

Filter Units: Pressure drop across filter media.

b. The permittee shall perform a qualitative visual observation of the opacity of emissions from the stacks for G2 and G7 at least once per week. If visible emissions are seen (not including condensed water vapor within the plume), the permittee shall perform an EPA Reference Method 9 test for opacity on the applicable stack emissions within 24 hours of observing visible emissions, and make any necessary repairs to bring the opacity into compliance. [401 KAR 59:010(4)(5)]

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance performed for the condenser and filter units in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.

b. Condenser coolant flow rate and temperature shall be continuously recorded by computer system or strip chart. A log of the results of the semiannual inspections performed on the condenser and filter units shall be maintained in accordance with **7. Specific Control Equipment Operating Conditions**.

c. The permittee shall maintain a log of the dates and times of each qualitative visual observation: noting color, duration, density (dark or light), and cause.

d. The permittee shall maintain a log of the dates and times of each EPA Reference Method 9 test and either the results of the test, or reasons for not performing an EPA Reference Method 9 test.

6. Specific Reporting Requirements:

Refer to **Section F**.

7. Specific Control Equipment Operating Conditions:

a. The filter units (G2 and G7) shall be in operation at all times the related processes are in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The following parameters shall be specifically inspected:
   i. Filters - Replace in accordance with manufacturer's recommendations.
   ii. Gaskets and Seals.
   iii. Filter cleaning mechanism.
   iv. Differential pressure gauge.

b. The condenser shall be in operation at all times the related process is in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The inlet coolant temperature for the condenser shall be maintained below 100ºF. The coolant flowrate through the condenser shall be at least 0.3 gallons per minute.

c. Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

06 (--) AUTOMATIC BATCH MIXER (ABM) SYLGARD TANKS

EP	Description	Control Equipment
GA	Continuous Unit /WP-Oxime/WP-Oxime 2 (Condenser) Installation Date: 7/1975, 7/1982, 7/2005 **Shared w/ CU/WP-OXIME & ABM Sylgard Tanks**	None
H2	Automatic Batch Mixer Installation Date: 7/1964	ABM Filler Hopper Dust Collector Installation Date: 7/1979
H7	Automatic Batch Mixer (Automatic Sealant Pot Mixer) Installation Date: 7/1964	ABM Powder Station Dust Collector Installation Date: 4/2006

APPLICABLE REGULATIONS:
401 KAR 59:010, *New process operations*
401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:
None

2. Emission Limitations:

a. Refer to **Section D, Source Emission limitations and Testing Requirements**, for source-wide emission of toxics limitations and compliance demonstration method.

b. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
H2	Automatic Batch Mixer (Filler Hopper)	1.25	4.12
H7	Automatic Batch Mixer (Powder Station)	1.25	4.12

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$E = 3.59(P)^{0.62}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

c. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

a. Refer to Section D. 3 for compliance with source-wide limits.

b. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
H2	Automatic Batch Mixer (Filler Hopper)	4.12	0.000503
H7	Automatic Batch Mixer (Powder Station)	4.12	0.0646

c. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The following parameters shall be continuously monitored:

Filter Units: Pressure drop across filter media.

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance performed for the condenser and filter units in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.

b. Condenser coolant flow rate and temperature shall be continuously recorded by computer system or strip chart. A log of the results of the semiannual inspections performed on the condenser and filter units shall be maintained in accordance with **7. Specific Control Equipment Operating Conditions**.

6. Specific Reporting Requirements:

Refer to **Section F.9.** for Compliance Certification Requirements.

7. Specific Control Equipment Operating Conditions:

Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

07 (--) TREATED SILICA MFG. (TUMBLERS)

EP	Description	Control Equipment
J1	Tumbler (Treated Filler Mixer) Treated Silica Silo Installation Date: 7/1975	Dust Collector Installation Date: 12/1975
J2	Tumbler (Treated Filler Mixer) Installation Date: 7/1973	Dust Collector Installation Date: 7/1973
J4	Tumbler (Treated Filler Mixer) Installation Date: 7/1973	Dust Collector Installation Date: 7/1986

08 (--) ROOF COATING AREA

EP	Description	Control Equipment
K1	Roof Coating Room Local Exhaust Installation Date: 6/1982	None
K2	Roof Coating Room Fugitives Installation Date: 1/1982	None
K3	Meyers Mixer #4 (Sealant Pot Mixer) Installation Date: 10/1996	Roof-coating Room Dust Collector Installation Date: 1/1997

09 (--) BULK FILLER STORAGE (SILOS)

EP	Description	Control Equipment
L1	Silos 1, 2, and 3 (Filler Storage Silos) Installation Date: 7/1978, 3/2000	Dust Collector Installation Date: 12/1975
L2	Silo 4 (Filler Storage Silo) Installation Date: 7/1985	Dust Collector Installation Date: 7/1985
L3	Silo 5 (Filler Storage Silo) Installation Date: 7/1985	Dust Collector Installation Date: 11/1986
L4	Silo 6 (Filler Storage Silo) Installation Date: 7/1982	Dust Collector Installation Date: 4/1982
L5	Silo 7 (Filler Storage Silo) Installation Date: 7/1979	Dust Collector Installation Date: 4/1979
L6	Silo 8 (Filler Storage Silo) Installation Date: 7/1979	Dust Collector Installation Date: 4/1979

APPLICABLE REGULATIONS:
401 KAR 59:010, *New process operations*, applies to J1, J2, J4, K3 and L1 – L6.

1. Operating Limitations:
None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

a. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
J1	Tumbler Treat Silica Silo	0.30	2.34
J2	Tumbler Baghouse	0.30	2.34
J4	Tumbler Silica Hopper	0.03	2.34
K3	Meyers Mixer #4 (Roof-coating Room)	1.25	4.12
L1	Filler Storage Silos #1, #2, & #3	1.43	4.48
L2	Filler Storage Silo #4	1.71	5.01
L3	Filler Storage Silo #5	1.71	5.01
L4	Filler Storage Silo #6	1.71	5.01
L5	Filler Storage Silo #7	0.57	2.54
L6	Filler Storage Silo #8	0.57	2.54

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$E = 3.59(P)^{0.62}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

b. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

a. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
J1	Tumbler Treat Silica Silo	2.34	0.0000297
J2	Tumbler Baghouse	2.34	0.0000297
J4	Tumbler Silica Hopper	2.34	0.000148
K3	Meyers Mixer #4 (Roof-coating Room)	4.12	0.0000183
L1	Filler Storage Silos #1, #2, & #3	4.48	0.000719
L2	Filler Storage Silo #4	5.01	0.000856
L3	Filler Storage Silo #5	5.01	0.000856
L4	Filler Storage Silo #6	5.01	0.000856
L5	Filler Storage Silo #7	2.54	0.000285
L6	Filler Storage Silo #8	2.54	0.000285

b. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The following parameters shall be continuously monitored:

Filter Units: Pressure drop across filter media.

5. Specific Recordkeeping Requirements:

Records of preventive maintenance performed for the condenser and filter units in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.

6. Specific Reporting Requirements:

Refer to **Section F.9.** for Compliance Certification Requirements.

7. Specific Control Equipment Operating Conditions:

a. The filter units (J1, J2, and J4) shall be operated at all times the related processes are operated and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The following parameters shall be specifically inspected:
   i. Filters - Replace in accordance with manufacturer's recommendations.
   ii. Gaskets and Seals.
   iii. Filter cleaning mechanism.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

iv. Differential pressure gauge.

b. Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

010 (--) HEATING OPERATIONS

Emission Point(s)	Process ID	Description
N1*	Natural Gas Boiler #1 Installation Date: 1963	8.4 mmBTU/hr boiler
N2*	Natural Gas Boiler #2 Installation Date: 1963	8.4 mmBTU/hr boiler
N4	Syltherm Heater Firing Natural Gas Fuel Installation Date: 1991	2.5 mmBTU/hr oil heater
N7	Syltherm Heater #2 Firing Natural Gas Fuel Installation Date: 1998	2.5 mmBTU/hr oil heater
N9	Natural Gas Boiler #4 Installation Date: 2002	8.4 mmBTU/hr boiler
NA	Natural Gas Boiler #5 Installation Date: 2002	8.4 mmBTU/hr boiler
NB	Natural Gas Boiler #6 Installation Date: 2002	4.2 mmBTU/hr boiler

***Boilers (N1 & N2) are back up units during periods when N9, NA or NB are off-line.**

APPLICABLE REGULATIONS:
401 KAR 59:015, New Indirect Heat Exchangers (N4, N7, N9, NA, NB)
401 KAR 61:015, Existing Indirect Heat Exchangers (N1, N2)

1. Operating Limitations:
None

2. Emission Limitations:

a. See **Section D, Source Emission Limitations and Testing Requirements**.

b. Consistent with the emission limitations in Section D (3), and pursuant to 401 KAR 59:015 and 401 KAR 61:015, emissions of PM/PM_{10} and SO_2 shall not exceed the following limits:

Emission Point	PM/PM_{10} Allowable (Lb/mmBTU)	SO_2 Allowable (Lb/mmBTU)
N1 and N2	0.75	4.6
N4, N7, N9, NA, and NB	0.4	1.65

c. Pursuant to 401 KAR 59:015, opacity of visible emissions from emission points N4, N7, N9, NA, and NB shall not exceed 20%.

d. Pursuant to 401 KAR 61:015, opacity of visible emissions from emission points N1 or N2, shall not exceed 40%.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

a. See **Specific Monitoring Requirements 4 and Specific Recordkeeping Requirements 5.**

b. Compliance with the particulate emission limit is demonstrated when burning natural gas, based on an AP-42 emission factor of 7.6 lbs total particulates per million standard cubic feet (mmscf) of natural gas burned and a fuel heat capacity of 1020 mmBtu/mmscf.

c. Compliance with the sulfur dioxide limit is demonstrated when burning natural gas, based on an AP-42 emission factor of 0.6 lbs of sulfur dioxide per mmscf and a fuel heat capacity of 1020 mmBtu/mmscf.

d. Compliance with the opacity limit is demonstrated when burning natural gas.

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
None

5. Specific Recordkeeping Requirements:
None

6. Specific Reporting Requirements:
None

7. Specific Control Equipment Operating Conditions:
None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

011 (--) MISC. CLEANING OPERATIONS

EP	Description	Control Equipment
P1	Large Beringer Oven and Small Beringer Oven (Parts Cleaning Ovens) Installation Date: 7/1980	Scrubber Installation Date: 7/1985
P2	Small Beringer Oven and Small Beringer Oven (Parts Cleaning Ovens) Installation Date: 7/1985	Dust Collector Installation Date: 7/1989

APPLICABLE REGULATIONS:
401 KAR 59:010, *New process operations*, applies to P2, only.
401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:
None

2. Emission Limitations:

a. Refer to **Section D, Source Emission Limitations and Testing Requirements,** for source-wide emission of toxics limitations and compliance method.

b. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
P2	Beringer Ovens	0.0375	2.34

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr.

c. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

Compliance Demonstration Method:

a. Refer to Section D. 3 for compliance with source-wide limits.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
P2	Beringer Ovens	2.34	0.00285

c. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

a. The following parameters shall be continuously monitored:

Scrubber: Water flow to the scrubbers.
Filter Units: Pressure drop across filter media.

b. The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack for P2 at least once per week. If visible emissions are seen (not including condensed water vapor within the plume), the permittee shall perform an EPA Reference Method 9 test for opacity on the applicable stack emissions within 24 hours of observing visible emissions, and make any necessary repairs to bring the opacity into compliance. [401 KAR 59:010(4)(5)]

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance performed for the filter unit and the scrubbers in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.
b. A log of the results of the semiannual inspections performed on the filter unit and the scrubbers shall be maintained in accordance with **Specific Control Equipment Operating Conditions 7.a and b**. Water flow to the scrubber shall be recorded continuously by computer system or strip chart.
c. The permittee shall maintain a log of the dates and times of each qualitative visual observation: noting color, duration, density (dark or light), and cause.
d. The permittee shall maintain a log of the dates and times of each EPA Reference Method 9 test and either the results of the test, or reasons for not performing an EPA Reference Method 9 test.

6. Specific Reporting Requirements:

Refer to **Section F**.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

a. The filter unit (P2) shall be operated at all times the related process is in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The following parameters shall be specifically inspected:
   i. Filters - Replace in accordance with manufacturer's recommendations.
   ii. Gaskets and Seals.
   iii. Filter cleaning mechanism.
   iv. Differential pressure gauge.

b. The Beringer Oven scrubbers on oven models 2484 and 1724 (P1) shall be operated at all times the related processes are in operation; and water flow shall be at least 4 gallons per minute and 2.0 gallons per minute, respectively, while the scrubbers are in operation. Semiannual preventive maintenance shall be performed in accordance with the manufacturer's recommendations. Preventive maintenance shall include:
   i. Cleaning or replacement of spray nozzles.
   ii. Lubrication of pumps, fans, etc.
   iii. Check/calibration of critical instruments, e.g., water flow meters or indicators.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

012 (--) LATEX PROCESS

EP	Description	Control Equipment
S2	Latex Sealant Turello #6 Filler Hopper (Sealant Pot Mixer) Installation Date: 1/2000	Dust Collector Installation Date: 1/2000
S3	Turello #6 Vacuum Installation Date: 1/2000	None
S5	Latex Sealant Turello #6 (Sealant Pot Mixer) Installation Date: 1/2000	Dust Collector Installation Date: 1/1999
S6	Latex Sealant Turello #7 Filler Hopper (Sealant Pot Mixer) Installation Date: 1/2000	Dust Collector Installation Date: 1/2000
S7	Turello #7 Vacuum Installation Date: 1/2000	None
S8	Latex Sealant Turello #7 (Sealant Pot Mixer) Installation Date: 1/2000	Dust Collector Installation Date: 1/1999
SA	Pot Cleaner Exhaust Installation Date: 1/2000	None

APPLICABLE REGULATIONS:

401 KAR 59:010, *New process operations*, applies to S2, S5, S6 and S8.

401 KAR 63:020, *Potentially hazardous matter or toxic substances*, applies to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. Operating Limitations:

None

2. Emission Limitations:

a. Refer to **Section D, Source Emission Limitations and Testing Requirements,** for source-wide emission of toxics limitations and compliance method.

b. The following emission limitations for particulate matter are pursuant to regulation 401 KAR 59:010, Section 3 (2):

EMISSION POINT	AFFECTED FACILITY	MAXIMUM CAPACITY (ton/hr)	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)
S2	Turello #6 Filler Hopper	0.6250	2.68
S5	Turello #6 Dust Collector	0.6250	2.68
S6	Turello #7 Filler Hopper	0.6250	2.68
S8	Turello #7 Dust Collector	0.6250	2.68

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr and from 1000 lbs/hr up to 60,000 lbs/hr, emissions shall be accomplished by the following equation:

$$E = 3.59(P)^{0.62}$$

E = the PM emissions rate (pounds/hour)
P = the process rate (tons/hour)

c. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

Compliance Demonstration Method:

a. Refer to Section D. 3 for compliance with source-wide limits.

b. Mass Emission Standard:

EMISSION POINT	AFFECTED FACILITY	MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)	MAXIMUM CONTROLLED EMISSION RATE (lb/hr)
S2	Turello #6 Filler Hopper	2.68	0.000998
S5	Turello #6 Dust Collector	2.68	0.00000274
S6	Turello #7 Filler Hopper	2.68	0.000998
S8	Turello #7 Dust Collector	2.68	0.00000274

c. See monitoring requirements for opacity compliance.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The following parameters shall be continuously monitored:

Filter Units: Pressure drop across filter media.

5. Specific Recordkeeping Requirements:

a. Records of preventive maintenance performed for the filter units in accordance with **7. Specific Control Equipment Operating Conditions** shall be maintained. Records may be computerized and shall be provided to the Division personnel upon request.

b. A log of the results of the semiannual inspections performed on the filter units shall be maintained in accordance with **7. Specific Control Equipment Operating Conditions.**

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Refer to **Section F**.

7. Specific Control Equipment Operating Conditions:

a. The filter units (S2, S5, S6, and S8) shall be in operation at all times the related processes are in operation and inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. The following parameters shall be specifically inspected:
   i. Filters - Replace in accordance with manufacturer's recommendations.
   ii. Gaskets and Seals.
   iii. Filter cleaning mechanism.
   iv. Differential pressure gauge.

b. Refer to **Section E, Source Control Equipment Requirements,** for further specific control equipment operating conditions.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	Description	Emission Pt.	Generally Applicable Regulation	Installation Date
1.	NGSP Process Exhaust	BA	None	1999
2.	NGSP Drum Off Exhaust	BB	None	1999
3.	NGSP Additive Tanks	BC	401 KAR 63:020	1999
4.	NGSP Fugitive Emissions	BE	401 KAR 63:010	1999
5.	NGSP Additive Room Exhaust	BJ	401 KAR 63:020	2004
6.	T-8116 Tank	BK	None	2006
7.	HPM Area Fugitives	B5	401 KAR 63:010	1990
8.	WP Polymer Tank	C4	None	1978
9.	WP Area Fugitives	C5	401 KAR 63:010	1978
10.	WP Geyer Drum Exhaust	C6	None	2003
11.	WP Mechanical Room Exhaust	C7	None	2003
12.	T2-5103 Tank	C8	None	2003
13.	T-1400	D1	None	1980
14.	T-2100	D2	None	1984
15.	T-2107	D3	None	1985
16.	T-657, T658	D4	None	1989
17.	T-1033, T-1034, T-1036	D5	None	1969
18.	T-1032, T-1422, T-1433, T-650	D6	None	1970,1980,1989
19.	KP-2 Product Tanks (11)	D7	None	1966
20.	KP-1 Product Tanks (11)	D8	None	1963,1976
21.	T-104	D9	None	1963
22.	T-1301	DA	None	1978
23.	T-1302, T-1303	DB	None	1978
24.	T-1304, T-1351	DC	401 KAR 63:020	1978
25.	T-107, T-108	DD	None	1963
26.	T-3829	DE	None	2000
27.	KP-1 Vacuum System	E1	None	1985
28.	KP-2 Vacuum System	E2	None	1980
29.	KP-3 Vacuum System	E3	None	1990
30.	T-608	E4	None	1968
31.	T-629	E5	None	1997
32.	T-648	E6	None	1985
33.	T-649	E7	None	2003
34.	T-916	E8	None	1968
35.	T-1001	E9	None	1980
36.	T-1022	EA	None	1980
37.	ET-8 Primer Room Exhaust	F1	401 KAR 63:020	1991

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

38.	Pot Cleaning/Devol Area Vent	F3	401 KAR 63:020	1981	
39.	8-0084 Tank	F6	None	1978	
40.	Manufacturing Oven	F8	401 KAR 63:020	1963	
41.	Devol Area Fugitives	FR	401 KAR 63:010	1981	
42.	Batch Area Fugitives	FS	401 KAR 63:010	1975	
43.	T-3 PB Fluid Tank	FU	None	2001	
44.	T-8070 Catalyst Tank	FV	401 KAR 63:020	2002	
45.	T-8071 Tank	FW	None	2002	
46.	WP-Oxime Exhaust	G1	None	1982	
47.	CU/WP-Oxime Fugitives	G4	401 KAR 63:010	1982	
48.	Sylgard Tank	H1	None	1973	
49.	ABM Catalyst Tank	H3	None	1979	
50.	Sealant Rework Local Exhaust	H4	None	1996	
51.	ABM Ross Vent	H5	401 KAR 63:020	2006	
52.	ABM Drum Scales Vent	H6	401 KAR 63:020	2006	
53.	Tumbler Dryer Exhaust	J3	None	1973	
54.	Tumbler Z-6079 Tank	J5	None	2002	
55.	Roofcoating Tank Exhaust	K4	None	2003	
56.	Lab Oven Vent	M1	401 KAR 63:020	1963	
57.	Lab Small Equipment Vent	M2	401 KAR 63:020	1963	
58.	Lab QA Oven Vent	M3	401 KAR 63:020	1963	
59.	Lab Hoods (8)	M4	401 KAR 63:020	1963	
60.	Glycol Heater #1	N5	None	1984	
61.	Glycol Heater #2	N6	None	1994	
62.	ET-1 Parts Cleaners	P3	None	1991	
63.	Parts Cleaners (5)	P4	None	1991	
64.	Fugitive Dust (Unpaved Roads)		R1 401 KAR 63:010		1963
65.	Latex Sealant Local Exhaust	S4	401 KAR 63:020	2000	
66.	Latex Blend Tank	SB	None	2002	
67.	T-8116	BK	None	2006	
68.	T1-8121	BR	None	2007	
69.	Fast Scale Exhaust #1	BO	401 KAR 63:020	2007	
70.	Fast Scale Exhaust #2	BP	401 KAR 63:020	2007	
71.	Recovery Tanks	BS	401 KAR 63:020	2007	

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. Hazardous Air Pollutants (HAP), VOC and PM_{10}, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.

3. As a voluntary source-wide emissions cap to preclude the applicability of 401 KAR 52:020, Title V Permits:

   a. Emissions of the PM_{10} and VOC shall not equal or exceed 90 tons per year; and

   b. The emissions of each individual HAP shall not equal or exceed nine (9) tons per year. The summation of all HAP emissions shall not equal or exceed twenty-two and half (22.5) tons per year. A year is defined as any consecutive twelve-month period.

   Compliance Demonstration Method:
   Compliance with the annual emissions and processing limitations imposed pursuant to 401 KAR 52:030, Section 1, and contained in this permit, shall be based on the sum of the monthly emission rates from each emission point (i.e., **Sections B** and **C**) during each twelve (12) consecutive month period. The monthly emission rates shall be defined as the sum of the products of the processing rates multiplied by each respective emission factor for each emission point. The permittee shall maintain monthly records, readily accessible to Division personnel upon request, of source wide emission and processing rates.

4. Pursuant to 401 KAR 63:020, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants.

   Compliance Demonstration Method:
   If the source alters process rates, material formulations, or any other factor that would result in an increase of HAP emissions or the addition of HAP emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:030, along with modeling to show that the facility will remain in compliance with 401 KAR 63:020. The source may perform a screening analysis of the potential to emit of methanol and any other toxic pollutant emissions at the plant and compare it to established benchmarks (i.e. RFC's, URE's, as applicable).

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place (as defined in this permit), and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality[401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

7 In accordance with the provisions of 401KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:

a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.

b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

8 The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.5 [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

9 Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:

a. Identification of each term or condition;

b. Compliance status of each term or condition of the permit;

c. Whether compliance was continuous or intermittent;

d. The method used for determining the compliance status for the source, currently and over the reporting period.

e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

Division for Air Quality Frankfort Regional Office 643 Teton Trail, Suite B Frankfort, KY 40601-1758	Division for Air Quality Central Files 803 Schenkel Lane Frankfort, KY 40601

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission survey is mailed to the permittee. If a KYEIS emission survey is not mailed to the permittee, then the permittee shall comply with all other emission reporting requirements in this permit.

11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
    a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
        i. The size and location of both the original and replacement units; and
        ii. Any resulting change in emissions;
    b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
    c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
    d. The replacement unit shall comply with all applicable requirements; and
    e. The source shall notify Regional office of all shutdowns and start-ups.
    f. Within six (6) months after installing the replacement unit, the owner or operator shall:
        i. Re-install the original unit and remove or dismantle the replacement unit; or
        ii. Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

   a. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

   b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

   c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
      (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
      (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
      (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

      Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

   d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit[Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

SECTION G - GENERAL PROVISIONS (CONTINUED)

e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].

f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].

g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

i. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].

l. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.

SECTION G - GENERAL PROVISIONS (CONTINUED)

n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.

o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

q. Pursuant to 401 KAR 52:030, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
   (1) Applicable requirements that are included and specifically identified in this permit; and
   (2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

b. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

3. Permit Revisions

a. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2).

b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary,

SECTION G - GENERAL PROVISIONS (CONTINUED)

and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, emission points **BL**, **BR**, **BM**, **BN**, **BQ**, **BS**, **BO** and **BP** in accordance with the terms and conditions of this permit.

a. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

b. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
   (1) The date when construction commenced.
   (2) The date of start-up of the affected facilities listed in this permit.
   (3) The date when the maximum production rate specified in the permit application was achieved.

c. Pursuant to 401 KAR 52:030, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.

d. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the draft permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.

e. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with

SECTION G - GENERAL PROVISIONS (CONTINUED)

401 KAR 50:055, General compliance requirements. Testing must also be conducted in accordance with General Provisions G.5 of this permit.

f. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

5. Testing Requirements

a. Pursuant to 401 KAR 50:045 Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

b. Pursuant to 401 KAR 50:045 Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

7. Emergency Provisions

a. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
(1) An emergency occurred and the permittee can identify the cause of the emergency;

SECTION G - GENERAL PROVISIONS (CONTINUED)

(2) The permitted facility was at the time being properly operated;
(3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
(4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
(5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.

b. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030 Section 23(2)].

8. Risk Management Provisions

a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515.

b. If requested, submit additional relevant information to the Division or the U.S. EPA.

9. Ozone depleting substances

a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
(1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
(2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
(3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
(5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
(6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None